

David Stapleton

List of Publications by Year in descending order

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40
papers

6,522
citations

109321

35
h-index

302126

39
g-index

40
all docs

40
docs citations

40
times ranked

5782
citing authors

#	ARTICLE	IF	CITATIONS
1	AMP-activated protein kinase phosphorylation of endothelial NO synthase. FEBS Letters, 1999, 443, 285-289.	2.8	729
2	Mammalian AMP-activated Protein Kinase Subfamily. Journal of Biological Chemistry, 1996, 271, 611-614.	3.4	569
3	Dealing with energy demand: the AMP-activated protein kinase. Trends in Biochemical Sciences, 1999, 24, 22-25.	7.5	488
4	Coordinated Control of Endothelial Nitric-oxide Synthase Phosphorylation by Protein Kinase C and the cAMP-dependent Protein Kinase. Journal of Biological Chemistry, 2001, 276, 17625-17628.	3.4	484
5	AMPK γ Subunit Targets Metabolic Stress Sensing to Glycogen. Current Biology, 2003, 13, 867-871.	3.9	377
6	Transgenic Mice Overexpressing Mutant <i>PRKAG2</i> Define the Cause of Wolff-Parkinson-White Syndrome in Glycogen Storage Cardiomyopathy. Circulation, 2003, 107, 2850-2856.	1.6	300
7	The α -AMP-activated Protein Kinase β Isoform Has a Key Role in Carbohydrate and Lipid Metabolism in Glycolytic Skeletal Muscle. Journal of Biological Chemistry, 2004, 279, 38441-38447.	3.4	264
8	Cellular Distribution and Developmental Expression of AMP-Activated Protein Kinase Isoforms in Mouse Central Nervous System. Journal of Neurochemistry, 1999, 72, 1707-1716.	3.9	238
9	The crystal structure of an Eph receptor SAM domain reveals a mechanism for modular dimerization. Nature Structural Biology, 1999, 6, 44-49.	9.7	229
10	Post-translational modifications of the β -1 subunit of AMP-activated protein kinase affect enzyme activity and cellular localization. Biochemical Journal, 2001, 354, 275-283.	3.7	226
11	Thienopyridone Drugs Are Selective Activators of AMP-Activated Protein Kinase β 1-Containing Complexes. Chemistry and Biology, 2008, 15, 1220-1230.	6.0	221
12	Structural Basis for Glycogen Recognition by AMP-Activated Protein Kinase. Structure, 2005, 13, 1453-1462.	3.3	175
13	Regulation of α -AMP-activated Protein Kinase Activity by the Noncatalytic β and γ Subunits. Journal of Biological Chemistry, 1996, 271, 17798-17803.	3.4	171
14	Post-translational modifications of the β -1 subunit of AMP-activated protein kinase affect enzyme activity and cellular localization. Biochemical Journal, 2001, 354, 275.	3.7	151
15	Intrasteric control of AMPK via the α 1 subunit AMP allosteric regulatory site. Protein Science, 2004, 13, 155-165.	7.6	141
16	Posttranslational Modifications of the α -AMP-activated Protein Kinase β 1 Subunit. Journal of Biological Chemistry, 1997, 272, 24475-24479.	3.4	135
17	Non-catalytic α - and β -Subunit Isoforms of the α -AMP-activated Protein Kinase. Journal of Biological Chemistry, 1996, 271, 8675-8681.	3.4	120
18	AMP-activated Protein Kinase β Subunit Tethers α and γ Subunits via Its C-terminal Sequence (186-270). Journal of Biological Chemistry, 2005, 280, 13395-13400.	3.4	117

#	ARTICLE	IF	CITATIONS
19	Expression of the AMP-activated protein kinase α_1 and α_2 subunits in skeletal muscle. FEBS Letters, 1999, 460, 343-348.	2.8	114
20	AMP-activated protein kinase isoenzyme family: subunit structure and chromosomal location. FEBS Letters, 1997, 409, 452-456.	2.8	112
21	Isoform-specific Purification and Substrate Specificity of the α_2 -AMP-activated Protein Kinase. Journal of Biological Chemistry, 1996, 271, 28445-28450.	3.4	108
22	Cytoplasmic ATP-sensing Domains Regulate Gating of Skeletal Muscle ClC-1 Chloride Channels. Journal of Biological Chemistry, 2005, 280, 32452-32458.	3.4	106
23	An activating mutation in the α_1 subunit of the AMP-activated protein kinase. FEBS Letters, 2001, 500, 163-168.	2.8	100
24	Increased α_2 Subunit-Associated AMPK Activity and PRKAG2 Cardiomyopathy. Circulation, 2005, 112, 3140-3148.	1.6	83
25	Reduced glycogen availability is associated with increased AMPK α_2 activity, nuclear AMPK α_2 protein abundance, and GLUT4 mRNA expression in contracting human skeletal muscle. Applied Physiology, Nutrition and Metabolism, 2006, 31, 302-312.	1.9	83
26	Comparative structural analyses of purified glycogen particles from rat liver, human skeletal muscle and commercial preparations. International Journal of Biological Macromolecules, 2009, 45, 478-482.	7.5	82
27	Catalytic subunits of the porcine and rat α_2 -AMP-activated protein kinase are members of the SNF1 protein kinase family. Biochimica Et Biophysica Acta - Molecular Cell Research, 1995, 1266, 73-82.	4.1	75
28	Analysis of hepatic glycogen-associated proteins. Proteomics, 2010, 10, 2320-2329.	2.2	75
29	Regulation of the energy sensor AMP-activated protein kinase in the kidney by dietary salt intake and osmolality. American Journal of Physiology - Renal Physiology, 2005, 288, F578-F586.	2.7	63
30	AMP-activated protein kinase kinase: detection with recombinant AMPK α_1 subunit. Biochemical and Biophysical Research Communications, 2002, 293, 892-898.	2.1	60
31	AMPK α_2 subunits display isoform specific affinities for carbohydrates. FEBS Letters, 2010, 584, 3499-3503.	2.8	55
32	Mutations in the Gal83 Glycogen-Binding Domain Activate the Snf1/Gal83 Kinase Pathway by a Glycogen-Independent Mechanism. Molecular and Cellular Biology, 2004, 24, 352-361.	2.3	50
33	5'-aminoimidazole-4'-carboxamide ribonucleoside and AMP-activated protein kinase inhibit signalling through NF- κ B. Immunology and Cell Biology, 2010, 88, 754-760.	2.3	50
34	Ectopic EphA4 Receptor Induces Posterior Protrusions via FGF Signaling in Xenopus Embryos. Molecular Biology of the Cell, 2004, 15, 1647-1655.	2.1	39
35	Oligosaccharide recognition and binding to the carbohydrate binding module of AMP-activated protein kinase. FEBS Letters, 2007, 581, 5055-5059.	2.8	37
36	AMP-activated protein kinase does not associate with glycogen α_1 -particles from rat liver. Biochemical and Biophysical Research Communications, 2007, 362, 811-815.	2.1	36

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37	AMP-activated Protein Kinase Subunit Interactions. Journal of Biological Chemistry, 2008, 283, 4799-4807.	3.4	29
38	AMP-Activated Protein Kinase γ -Subunit Requires Internal Motion for Optimal Carbohydrate Binding. Biophysical Journal, 2012, 102, 305-314.	0.5	18
39	Crystallization of the glycogen-binding domain of the AMP-activated protein kinase γ subunit and preliminary X-ray analysis. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 39-42.	0.7	12
40	AMPK beta1. The AFCS-nature Molecule Pages, 0, , .	0.2	0